

Adrian Delmarre

Data-Oriented CS Engineer

WORK EXPERIENCE

FEBRUARY 2015 – PRESENT

Universitat Passau, Passau, Germany

Fraud Detection

The purpose of the project is to evaluate and improve current techniques for detection of payment fraud. This involves high-volume real-time machine learning issues. Skills : Binary classification, Data balancing, Optimization, R

MAY 2014 – SEPTEMBER 2014

ANEO, Boulogne-Billancourt, France

Social Network Analyst

By examining interpersonal communications (mainly e-mail) as typed graphs using Social Network Analysis techniques, we got a better understanding of the structure of inner and outer-organizational communication. This helped us improving the way information and change could be brought. Skills : R, Social Network Analysis, Organizational Network Analysis

JUNE 2013 – SEPTEMBER 2013

Systar, Lyon, France

NoSQL Backoffice Java Developer

Conception and implementation of a RedoLog. In a NoSQL (column, key-value) bi-temporal database context, the internship objective was to log transactions in a custom binary format, so that we could guarantee platform integrity even after a crash, by replaying transactions in the same exact order. Skills : Java EE, Concurrency programming, NoSQL, Scrum

JANUARY 2012 – MARCH 2012

Pole Azur Provence, Grasse, France

Product Developer

I was asked to design and develop, from scratch, a Sharepoint Workflow management tool. This was made possible by the combination of a desktop user interface and a Windows Service. They were both run on the Sharepoint main server, which involved memory and performance management issues. Skills : Project Management, Sharepoint, C#, WinService

MAY 2011 – JULY 2011

City Hall, Marseille, France

Java EE Developer

The Department of Public Contracts needed a monitoring and management tool. I personally took part in conception meetings with the client, wrote the technical specifications, and eventually developed a few components. Skills : Java EE, Hibernate, Struts, Tomcat

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EDUCATION

2013–2015 **CS Master Degree - Expected**
University of Passau, Germany

2012–2015 **CS Engineer Degree - Expected**
INSA Lyon, France

2010–2012 **CS Technical Degree (BTS IG)**
LTP C.Peguy, Marseille, France

2008–2010 **Bachelor in Epistemology**
Aix-en-Pce University, France

2006–2008 **Humanities CPGE**
Dumont d'Urville, Toulon, France

2006 **High School Diploma**
Mathematics, Summa Cum Laude

MAIN SIDE-PROJECTS

2013 **github.com/halflings/autonomiee**
With a few classmates, we've built a little robot-car using the power of Arduino, Raspberry Pi and a couple of motors associated with a bunch of sensors. On top of that, we've also built a desktop and a mobile clients able to control the car remotely (with the ability to automatically avoid obstacles), but also simulated a particle filter: an algorithm that makes it possible to determine the position and orientation of the car even though the sensors are noisy.

COMMUNICATION SKILLS

FRENCH Native speaker
ENGLISH Fluent
SPANISH, GERMAN Oral: fair

COMPUTER SCIENCE SKILLS

GOOD LEVEL R, Data Modeling

INTERMEDIATE \LaTeX , SQL, C, C++,
Python, Java, C#, Git,
UML, Machine Learning

BASIC KNOWLEDGE Scala, HTML/CSS,
Javascript